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Interior Plaster Made From Synthetic Anhydrite,
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Sci -
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4 Oct 50, 6p. (table omitted) 12 refs.
Order from SLA \$1.10

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Trans. of Chemie-Ingenieur-Technik (West Germany)
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DESCRIPTORS: *Vinyl chlorides, *Aluminium, *Chemical reactions, Aluminium alloys, Cleaning fluids, Explosive forming, *Inhibition, Decomposition.

The AlCl₃ developed first of all catalyzes the trichloroethylene condensation. The heat liberated produces total de-chlorination of the condensation product and complete oxidation of the aluminium shavings. The use of non-hazardous tetrachlorethylene in the future is suggested. (Author)

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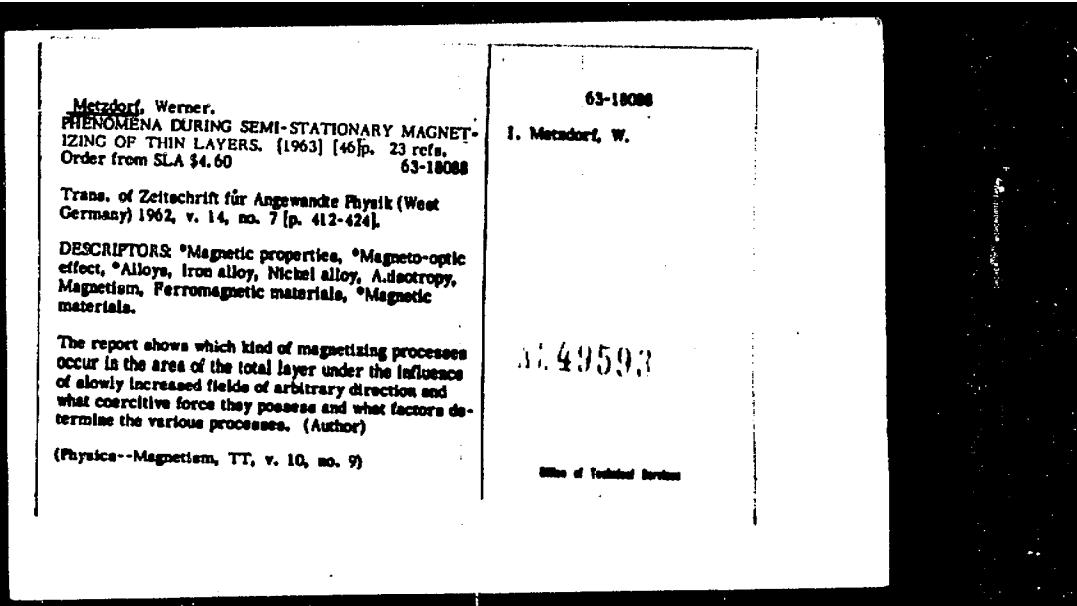
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DESCRIPTORS: *Glass, *Furnaces, Annealing,
Design, Operation, Fuel consumption.

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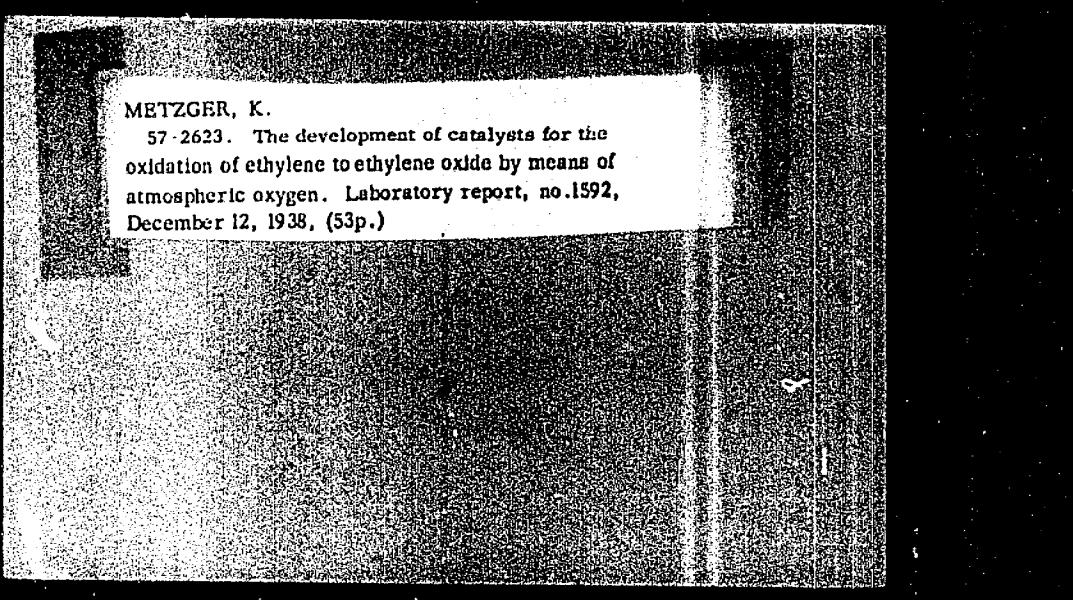
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Mar 1954, pp 115-119, Encol to Report No
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Metzner, Roland, Scheer, Max-Martin, and
Scholze, Horst.

A RAPID QUANTITATIVE BORON DETERMINATION
IN GLASSES WITH THE AID OF THE ABSORPTION
OF NEUTRONS (Eine Schnelle Quantitative

Borbestimmung in Gläsern mit Hilfe der Absorption
von Neutronen). [1962] [16]p. (foreign text included)

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Order from SLA \$1.60

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Trans. of Glastechn[ische] Ber[ichte] (West Germany)
1958, v. 31, no. 7, p. 257-260.

DESCRIPTORS: *Glass, *Boron, Neutron absorption,
Thermal neutrons, Determination.

A nuclear physical measuring procedure is given,
which permits a comparatively rapid and simple
quantitative determination of the B₂O₃ content of
glasses with the aid of neutron absorption in the boron.
(Materials--Ceramics, TT, v. 8, no. 6) (over)

62-10935

- I. Metzner, R.
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SCI - CHEM

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Silicones In Electrotechnology, by H. Metzner, 10 pp
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(a) The History of the 22nd Infantry Division.
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GERMAN, bk, The German Division 1939-1945, pp 7, 8;
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Sci - Atom Energy

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H. Meunau

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The Desulphurization of Basic Bessemer Iron and
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Soda Slags, by F. Meunier. UHCL

FRENCH, per, Rev Mat, Vol XLIX, Dec 1952, pp 876-
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Sci - Min/Met
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Simultaneous Desulphurization and Decoxidation in the
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The Desulphurization of Basic Bessemer Iron and
the Dephosphorization of Basic Bessemer Steel by
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RECORDED BY: *Welds, *Steel, Fracture (Mechanics),

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DESCRIPTORS: *Welds, *Steel, Fracture (Mechanics),
Gases, *Hydrogen, Chemical precipitation.

If hydrogen or reducing gases rich in hydrogen are present during welding. hydrogen atoms

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times greater than those which the metal normally holds in solution at room temperature; Upon cooling, supersaturation will cause precipitation of hydrogen in all discontinuities of the metal (intergranular joints, inclusions, pores, etc.) where it recombines into the molecular insoluble form producing local pressure which may be considerable; The combination of stresses resulting from the pressure of these gas pockets, from thermal contraction and possible martensitic transformation of these semi-special steels may produce permanent deformation and rupture; Localization of these cracks and the fact that they may be eliminated by drying the coating suggests that hydrogen is the principal cause.
(Author)

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